

Title (en)
Novel silacyclohexane compounds, preparation thereof, liquid crystal compositions comprising the same, and liquid crystal devices comprising the composition

Title (de)
Neue Silacyclohexanverbindungen, ihre Herstellung, flüssigkristalline Zusammensetzungen die sie enthalten, und Flüssigkristallinevorrichtungen die diese Zusammensetzungen enthalten

Title (fr)
Nouveaux composés de silacyclohexane, leur préparation, compositions de cristaux liquides les contenant, et dispositifs à cristaux liquides contenant les compositions

Publication
EP 0742222 A2 19961113 (EN)

Application
EP 96303296 A 19960513

Priority
JP 13733095 A 19950511

Abstract (en)
A compound of formula (I) <CHEM> wherein R is an organic residue. <CHEM> is an unsubstituted or substituted silicon-containing cyclohexylene group or a 1,4-cyclohexylene group, <CHEM> is an unsubstituted or substituted phenylene, an unsubstituted or substituted silicon-containing cyclohexylene group or trans-4-sila-1,4-cyclohexylene group, or a 1,4-cyclohexylene group provided that at least one of the ring structures A and B represents a silicon-containing cyclohexylene group, m, n, j, k and l are each H or F, m and n are each 0 or 1, X1 and Y are each H, F or Cl, and X2 is F or Cl, a liquid crystal composition comprising the compound and a liquid crystal device comprising the composition are described.

IPC 1-7
C07F 7/08; **C09K 19/40**; **C07F 7/12**

IPC 8 full level
C07F 7/08 (2006.01); **C07F 7/12** (2006.01); **C09K 19/40** (2006.01)

CPC (source: EP US)
C07F 7/081 (2013.01 - EP US); **C07F 7/0896** (2013.01 - EP US); **C07F 7/12** (2013.01 - EP US); **C09K 19/406** (2013.01 - EP US)

Cited by
GB2318359A; US5951913A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0742222 A2 19961113; **EP 0742222 A3 19980429**; US 5730901 A 19980324

DOCDB simple family (application)
EP 96303296 A 19960513; US 64477596 A 19960510